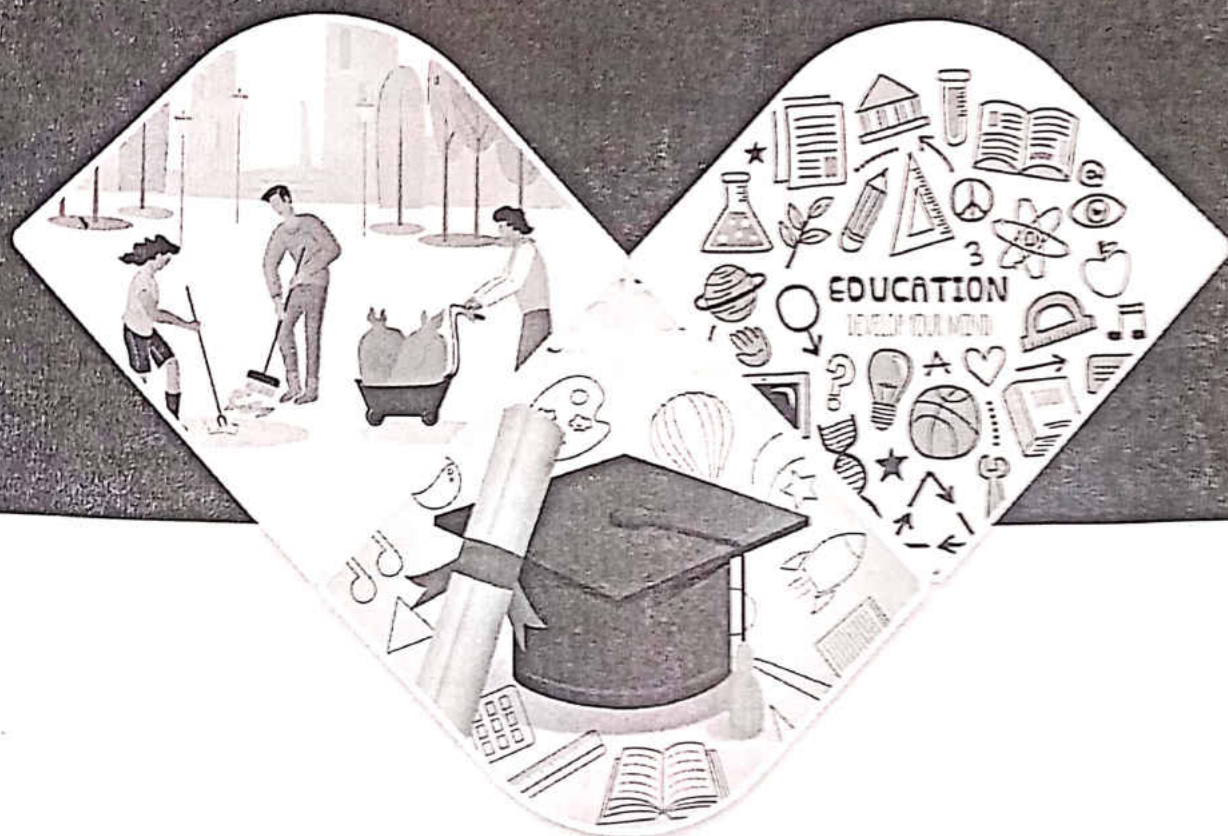


Model Program Book



SEMESTER INTERNSHIP

Designed & Developed by



**ANDHRA PRADESH
STATE COUNCIL OF HIGHER EDUCATION**

(A STATUTORY BODY OF GOVERNMENT OF ANDHRA PRADESH)



PROGRAM BOOK FOR
SEMESTER INTERNSHIP

Name of the Student: P. Ramya

Name of the College: Govt. Degree College (men) SRM

Registration Number: 2022001041064

Period of Internship: ^{W.F.} From 12/12/22 To 16/03/23

Name & Address of the Intern Organization: RBR (Agriculture Dept)

Ambedkar University

YEAR

An Internship Report on

Agriculture Department

(Title of the Semester Internship Program)

Submitted in accordance with the requirement for the degree of

Under the Faculty Guideship of

Dr. Pramella

(Name of the Faculty Guide)

Department of

Botany

(Name of the College)

Submitted by:

Gout. Degree College (men) SKM

(Name of the Student)

Reg.No: 2022001044064

Department of Botany

Gout. Degree College (men) SKM

(Name of the College)

Instructions to Students

Please read the detailed Guidelines on Internship hosted on the website of AP State Council of Higher Education <https://apsche.ap.gov.in>

1. It is mandatory for all the students to complete Semester internship either in V Semester or in VI Semester.
2. Every student should identify the organization for internship in consultation with the College Principal/the authorized person nominated by the Principal.
3. Report to the intern organization as per the schedule given by the College. You must make your own arrangements for transportation to reach the organization.
4. You should maintain punctuality in attending the internship. Daily attendance is compulsory.
5. You are expected to learn about the organization, policies, procedures, and processes by interacting with the people working in the organization and by consulting the supervisor attached to the interns.
6. While you are attending the internship, follow the rules and regulations of the intern organization.
7. While in the intern organization, always wear your College Identity Card.
8. If your College has a prescribed dress as uniform, wear the uniform daily, as you attend to your assigned duties.
9. You will be assigned a Faculty Guide from your College. He/She will be creating a WhatsApp group with your fellow interns. Post your daily activity done and/or any difficulty you encounter during the internship.
10. Identify five or more learning objectives in consultation with your Faculty Guide. These learning objectives can address:
 - a. Data and Information you are expected to collect about the organization and/or industry.
 - b. Job Skills you are expected to acquire.
 - c. Development of professional competencies that lead to future career success.
11. Practice professional communication skills with team members, co-interns, and your supervisor. This includes expressing thoughts and ideas effectively through oral, written, and non-verbal communication, and utilizing listening skills.
12. Be aware of the communication culture in your work environment. Follow up and communicate regularly with your supervisor to provide updates on your progress with work assignments.

13. Never be hesitant to ask questions to make sure you fully understand what you need to do your work and to contribute to the organization.
14. Be regular in filling up your Program Book. It shall be filled up in your own handwriting. Add additional sheets wherever necessary.
15. At the end of internship, you shall be evaluated by your Supervisor of the intern organization.
16. There shall also be evaluation at the end of the internship by the Faculty Guide and the Principal.
17. Do not meddle with the instruments/equipment you work with.
18. Ensure that you do not cause any disturbance to the regular activities of the intern organization.
19. Be cordial but not too intimate with the employees of the intern organization and your fellow interns.
20. You should understand that during the internship programme, you are the ambassador of your College, and your behavior during the internship programme is of utmost importance.
21. If you are involved in any discipline related issues, you will be withdrawn from the internship programme immediately and disciplinary action shall be initiated.
22. Do not forget to keep up your family pride and prestige of your College.

-----<<@>>-----

Student's Declaration

I, P. Ramya a student of Agriculture
Program, Reg. No. 2022012424 of the Department of Botany
College do hereby declare that I have completed the mandatory internship
from 12/12/22 to 18/3/23 in Agriculture (veg) (Name of
the intern organization) under the Faculty Guideship of
Dr. Pamela (Name of the Faculty Guide), Department of
Botany, Govt. Degree College (M) SKM
(Name of the College)

P. Ramya
(Signature and Date)

Official Certification

This is to certify that P. Ramya (Name of the student) Reg. No. 2092001049064 has completed his/her Internship in Agriculture (RPR) (Name of the Intern Organization) on (RPR) Agriculture Department (Title of the Internship) under my supervision as a part of partial fulfillment of the requirement for the Degree of Botany in the Department of Govt. Degree College (Name of the College).

This is accepted for evaluation.

(Signatory with Date and Seal)

Endorsements

Faculty Guide



Head of the Department



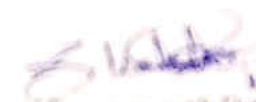
Principal

Page No

Certificate from Intern Organization

This is to certify that P. Ramya (Name of the intern)
Reg. No. 202200049064 of Agriculture (Name of the
College) underwent internship in Agriculture (Name of the
Intern Organization) from 13/12/22 to 14/03/23

The overall performance of the intern during his/her internship is found to be
Satisfactory (Satisfactory / Not Satisfactory).


Authorized Signatory with Date and Seal
Village Agriculture Extension
RDA, Durgam Cheruvu
Telangana Pradesh

Acknowledgements

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CHAPTER 1: EXECUTIVE SUMMARY

The internship report shall have a brief executive summary. It shall include five or more Learning Objectives and Outcomes achieved, a brief description of the sector of business and intern organization and summary of all the activities done by the intern during the period.

1st week:- Bonthala Korum RBK villages Bonthalakorum - 78 acres, Gorumpeta - 180 ac, Kalingipeta rural, SC colony - 116 ac, Total

618 acres. Total farmers - 548, undergrain EKYC - 528. Purchase of grain through RBK's - minimum support price for general type per 100kg - 2040/- per 80kg - 1632/- quality parameters to get MSP are followed by central government.

2nd week:- currently scenario of RBK - Rabi season 22.23 is 359 acres, groundnut - 75 acres, maize - 4 acres, other pulses - green gram, Black gram, finger millet, sesamum etc... serial crop Paddy - 42 acres. D.Y.S.R POLAM BARI $\rightarrow$ 30 farmers, 25 acres field is needed. $ICM = Irm + IPm + Iwm + Iwm +$

Fm.

3rd week:- seed germination:- The processes of seeds developing into new plants.

seed dormancy:- Having all favourable conditions to germinate but unable to germinate.

treatment:- scarification, stratification, chemical method treatment.

4th week:- groundnut crop - Arachis hypogea - major oil seed crop, A.P. ranks third in production constraints in cultivation & productivity. Lack of agriculture mechanization, lack of micro-finance management at right time.

5th week :- Preparation of soil :- Deep weeding in summer can reduce the crop damaging in insects & pests. Before sowing, soil should be leveled. Time of sowing : early kharif - march to april kharif - June-July, Rabi Nov to Dec.
seed treatment :- For kg seeds 3 gram of mancozeb, tritofos-m powder should be required to treat a seed.

6th week :- Plant spacing & sowing of seeds & fertilizers :-

30x10cm plant spacing, seeds should be sown either with a harrow or tractor driven seed drill. Nitrogen (in the form of urea) phosphorus (single super phosphate), potash, gypsum etc. -.

7th week :- Deficiency symptoms :- N (yellowing of leaves), P (purple colour), K (discolouration of leaves).

Water management :- 400-450 mm of water crop, pro-millet, sorghum can be intercropped with ground nut.

8th week :- Pests & diseases in groundnut. *ectremities*, *Aphis*, *Black fly*, *leaf hopper*, *leaf web*, *Red caterpillar*, *tabacco caterpillar*, *Rust/sooty blot*, *tikka* *leaf spot*, *stem root rot* etc.

9th week :- Digital KISAN :- Provide weather information, marketing for seed fertilizers facility of online purchase & door delivery. Dr. Y.S.R.

Rathu kharif - ₹ 13,500 → 3 installment kharif - 7,500/-, 4000 ₹ - October, 2,500/- harvest time.

10th week :- Dr. Y.S.R zero interest crop loan scheme - farmer loan 7% of farmer, loans provided under this are interest free. National food security mission (NFSM) - launched in 2007 by central govt of India - increase yield by cultivated area.

11th week :- soil conservation scheme - analysis of soil samples in soil laboratories soil health card scheme provide soil analysis before planting ₹-2500 per hectare for each demonstration field.

12th week :- the custom hiring centre - sanctioned by govt. to increase agricultural machinery depth of soil samples. Page No Agriculture crops - 6 inches; fruit brinjal 5-6 feet rows - share, pickare - suitable to farmers.

CHAPTER 2: OVERVIEW OF THE ORGANIZATION

Suggestive contents

- A. Introduction of the Organization
- B. Vision, Mission, and Values of the Organization
- C. Policy of the Organization, in relation to the intern role
- D. Organizational Structure
- E. Roles and responsibilities of the employees in which the intern is placed.
- F. Performance of the Organization in terms of turnover, profits, market reach and market value.
- G. Future Plans of the Organization.

A. Introduction of the Organization:- Govt. of Andhra Pradesh has launched Raithu Bhrootha Kendra (Farmer Assurance Centres) on 30th of 2020 year. The government has started 10,641 RBK's across the state with an outlay of 200 Crores.

B. Mission, vision, and values of the organization:- A.P is predominantly an agrarian state launched this scheme to bring more transparency quality of service to the farming community. The centres will offer services like delivery of inputs to the farmer with 24-48 hours of delivery through Kiosk's, IT & machines technical assistance and is an attempt to bring the agriculture extension.

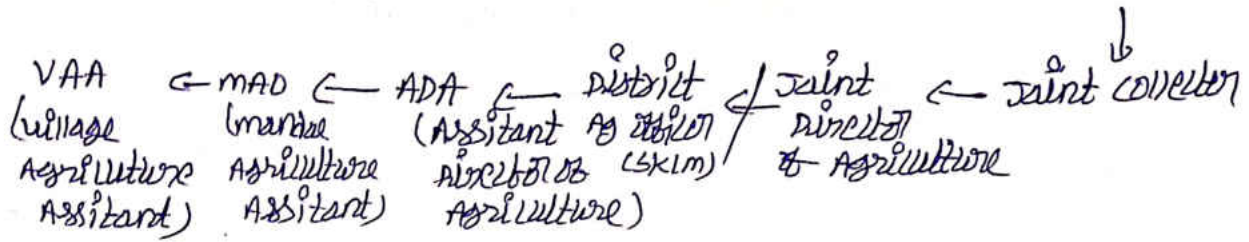
C. Policy of the organization, in relation to the intern role:-

Earlier, this year the government has recruited agriculture assistant, horticulture assistant, veterinary assistant. The following services are having qualification in their respective field to work at RBK's. The following services are formed at RBK's a) Agri input shop b) Farm knowledge centre c) custom hiring centre d) other important aspects. → 1) input delivery 2) soil testing 3) training farmer 4) crop insurance 5) e-crop booking 6) treatment after consulting veterinary doctor 7)

Identify beneficiaries & providing market intelligence.

D. Organization structure :-

Chief minister → SPI chief secretary → commissioners → district collector



E) Roles & responsibilities to employees in which interest is placed :-

Routine records, prepare graphs & charts, visit fielding.

F) Performance in terms of profits & market value :-

many crops are grown all to region & demand; many crops give incremental profit at a minimal investment 80% at production, 15% wholesale, 25% at retail levels.

G) Future plans of the organization :-

RBK system is a first step in bringing the system closer to the farmers & making it more transparent.

CHAPTER 3: INTERNSHIP PART

Description of the Activities/Responsibilities in the Intern Organization during Internship, which shall include - details of working conditions, weekly work schedule, equipment used, and tasks performed. This part could end by reflecting on what kind of skills the intern acquired.

Activities which are carried in RBX are important for our future skills with acquiring the knowledge.

mainly we have learnt about Paddy Procurement processes, moisturemeter working condition, soil testing, Paddy badi & E-Crop.

moisturemeter :- This is a machine which calculates the moisture content of food grains. This is universal type. This is a part of Procurement of food grains. nearly types of samples moisture can be calculated by this electronic machine volume A, B, C & D. cups are present, by applying 4 different pressures and volume cups.

collection of soil samples for soil test :-

The soil is taken from the field having dust particles etc. will levelled field soil is taken. soil test should be conducted for every 3 to 4 years. for 1 acre of field 1-15 soil samples are taken in polythene cover & divide the soil into 4 parts & then 1st & 3rd parts is removed and spread the remaining as usually an now divide into 4 parts. Then collecting 1/2 kg soil packet in well send it to the soil testing laboratory.

E-Crop provides for looking at all crops like Agriculture, Horticulture & fishery crops. capturing the information of actual cultivation whether land owner or tenant.

ACTIVITY LOG FOR THE FIRST WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	Pharuf - Basic data Bonthalakuduru - Revenue villages. → Kallinapeta, Gannu ulpeta, Bonthalakuduru.	Total no. of farmers - 588 total land is 518 acres.	S. K. S.
Day - 2	Bonthalakuduru - 78 acres Kallinapeta - 150 acres Gannu ulpeta - 244 acres Ruppa Peta - 116 acres	Crop details:- Raddi - 610 acres Sugarcane - 3 acres Soybean - 5 acres	S. K. S.
Day - 3	Purchase of grain through Rethu Bhatocha Kendras	minimum support price. normal type:- for winter - 2040 for 50 kg - 1632	S. K. S.
Day - 4	quality parameters to be followed to get support price	the maximum % allowed by central government is 10%. i.e. - waste materials.	S. K. S.
Day - 5	support prices for other agriculture products registrations alone in RBK	Crops, available prices Purchase Periods	S. K. S.
Day - 6	For purchase of grain by registering in e-KYC who have complete eKYC.	total farmer - 588 farmers who have undergone e-KYC are 528	S. K. S.

WEEKLY REPORT

WEEK - 1 (From Dt..... to Dt.....)

Objective of the Activity Done:

Detailed Report:

RBK

Bonthala Khamu REVENUE villages.

1) Kalingipeta - 78 ac 2) Gammam Peta - 180 ac 3) Bonthala Peta - 244 ac 4) Rappa Peta - 116 ac. Total - 618 acres.

Total no. of farmers - 528. E-KYC - 124 - 528.

Purchase of grain through Rythu Bhavitha Kendras.

The grains conforming the quality standards prescribed by the government of India is purchased from farmers. If not, then farmers have to prepare their grain in such a way that it meets the quality standards. Grain will be purchased only from farmers who have completed E-KYC & are ready to sell their grain.

If sales are arranged for demonstration, according to government calculations, the amount is paid directly into farmer's account along with grain money within 21 days.

quality parameters to be met to get support price:-

- 1) waste, soil, rocks - 1.0, 2) spoiled, discoloured, sprouted - 5.0 3) Ammature, shrivelled, wormed grain 3.0
- 4) moisture level should be below 17.0

quality standards should be based central Government.

Toll free number - 155951

ACTIVITY LOG FOR THE SECOND WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day -1	method of Procurement of grain	The amount of Bags sent by the farmer within 21 days will be deposited in direct payments through DBT method.	S. Indrakshi
Day -2	Current status of Bomthalakurichi RBK	Rabi season is 359 ac. maize crops - around 75 acres maize - 4 acres	S. Indrakshi
Day -3	Dr. Y-S.R. POHAM BADI 4 themes of Palambadi 30 farmers, 25 acres field	1 healthy crop cultivation 2 protecting friendly insects 3 weekly crop monitoring	S. Indrakshi
Day -4	$Icm = Inm + IPm + Wm + Iwm + Fm$	Integrated crop management integrated nutrient + pest + water + weed + farm management	S. Indrakshi
Day -5	POHAM BADI - field study How is it conducted (researching method)	Participatory learning experiential learning sharing of experiences farmers.	S. Indrakshi
Day -6	14 weeks of Palambadi field study.	Introductions team building Agri ecosystem analysis field visit	S. Indrakshi

WEEKLY REPORT

WEEK - 2 (From Dt..... to Dt.....)

Objective of the Activity Done:

Detailed Report:

method of Procurement of grain :- The quality standards of grain should be checked at the Rythu Bazar Kendram & the available vehicles should be scheduled by VAA. Should collect the grain from farmers assistant with help of VAA. Should collect the grain from farmers threshing floor (2kg) & bring it to RBK. The farmers should take the available vehicles & load the sacks of grain, sacks should be grain weight Aced & send to the MPT's Data Entry.

Current scenario of Bonthala Kendram RBK :-

The Revenue village & area of RBK under jabi season 22-23 is 354 acres. groundnut - 75 acres, maize 4 acres. other pulses - green gram, Black gram, Pigeon millet, sesamum etc.

The serial crop Paddy is also cultivated 42 acres under this RBK.

Dr. Y. S. R. POIAMBADI: How it is conducted :-

1) Participatory 2) experimental learning 3) sharing of experiences 4) Group dynamics 5) Farmer's facilities.

ACTIVITY LOG FOR THE THIRD WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	crop classification	1) Annuals 2) Perennial	G. J. [Signature]
Day - 2	criteria for essentiality essential nutrients.	macro nutrients C, H, O, N, P, K, S, Ca, Mg micro nutrients B, Zn, Mn, Fe, Cu, Mo, Cl, Ni	G. J. [Signature]
Day - 3	fertilizers application	1) time of application 2) place of application 3) Amount of application	G. J. [Signature]
Day - 4	seed germination seed dormancy treatment methods. seed types.	scarification stratification chemical method treatment.	G. J. [Signature]
Day - 5	deficiencies of macro - primary elements N, P, K	nitrogen - yellowing on the leaves Phosphorus (P) - purple color potassium (K) - [unclear]	G. J. [Signature]
Day - 6	stem coppicing - to set top-coppicing - to avoid mono-coppicing multi coppicing	cereals -> pulses to escape from pests & diseases.	G. J. [Signature]

WEEKLY REPORT

WEEK - 3 (From Dt..... to Dt.....)

Objective of the Activity Done:

Detailed Report:

Crop Classification:- 3 types.

1) Annuals 2) Biennials 3) Perennials

1) Annuals:- The crop which completes its life cycle in a year. eg:- Tomato, maize

2) Perennials:- The crop which completes its life cycle in two or more than 2 years. eg:- mango, coconut.

3) Biennials:- The crop which completes its life cycle in two years eg:- carrots, brussels.

Criteria for essentiality:-

1) In absence of one element plants do not complete their life cycle.

2) one element can't be replaced by another element.

3) The element must be directly involved in metabolism of plants.

seed germination:- The process of seeds developing into new plants.

seed dormancy:- Have all favourable conditions to germinate but unable. treatment is of 3 types.

1) scarification. 2) stratification

seed types - 1) monocotyledonous 2) dicotyledonous.

ACTIVITY LOG FOR THE FORTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	Groundnut scientific name:- <i>Arachis hypogaea</i>	- major oilseed crop - A.P ranky third in production	<i>[Signature]</i>
Day - 2	constraints in groundnut cultivation and productivity	- lack of agricultural mechanization - lack of micro nutrient management	<i>[Signature]</i>
Day - 3	suitable climate for ground nut (peanut)	- Areas with low humidity are most suitable for ground nut	<i>[Signature]</i>
Day - 4	climate	- It requires 500-2000 mm. of rainfall. - Average temperature of 25-28°C.	<i>[Signature]</i>
Day - 5	subsuitable for ground nut crop	- light soils - soils with calcium & sulfur are ideal	<i>[Signature]</i>
Day - 6	soils which suit best to grow groundnut High organic matter.	- sandy loamy soils are best & red loamy soils PH- 6.0-7.5 are best	<i>[Signature]</i>

WEEKLY REPORT

WEEK - 4 (From Dt..... to Dt.....)

Objective of the Activity Done:

Detailed Report:

Groundnut - Arachis hypogaea.

Groundnut is the major oil seed crop grown in our state. Among the groundnut is the major growing states in India, Andhra Pradesh ranks third in production and eight in productivity after Gujarat & produces 10.48 lakh tonnes. This crop is mainly grown in Anantpur, Chittoor, Kurnool, and YSR Kadapa.

constraints in groundnut cultivation and

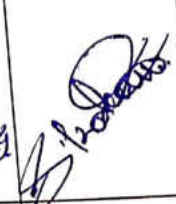
productivity:-

- 1) non-cultivation of water stress resistant varieties in groundnut.
- 2) Lack of Agricultural mechanization
- 3) Lack of proper water & micronutrient management at right time.

climate and soil:-

- 1) Areas with low humidity are most suitable for groundnut.
- 2) Average temperature of 25-28°C are suitable
- 3) It requires 500-1200 mm of rainfall
- 4) Light soils & soils with calcium & sulfur are ideal

ACTIVITY LOG FOR THE FIFTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	Groundnut:- soil preparations, season, condition, varieties, duration	Deep weeding in summer can reduce the incidence of leaf damaging insects & birds.	
Day - 2	Groundnut sowing time & seed dose	North coast: early Kharif / summer; march april. Rabi - nov - dec 15	
Day - 3	Groundnut:- seed dose and sowing time	Rajala Seema Kharif - first week of July - Aug Rabi - nov - dec 15	
Day - 4	seed dose of groundnut	seed rate is determined by seed size, sowing time & variety	
Day - 5	seed treatment of groundnut	Per kg seed one gram of tebuconazole or azoxystrobin or mancozeb or triazophos powder.	
Day - 6	seed treatment before sowing the seeds of groundnut.	seed should be first treated with insecticide after drying in shade.	

WEEKLY REPORT

WEEK - 5 (From Dt..... to Dt.....)

Objective of the Activity Done:

Detailed Report: Groundnut soil preparations

1) Deep weeding in summer can reduce the incidence of crop damaging insects and pests.

2) Before sowing the soil should be levelled.

Time of sowing :- North coast :- early Kharif / Summer-march to April

Kharif :- June-July, Rabi :- November to December 15

Kharif :- First week of July-August, Rabi :- 24th Nov-Dec 15

Seed dose :- seed rate is determined by seed size, sowing time & variety, norah, Kadin, ICGV 411m, meshma,

Rohini, Abbaya, Praxuma, Kadisi - 9, 7, 4, 9, 4. seed rate

of Kharif - 60-64 kg.

seed treatment :- per kg seed 3 grams of monoch,

trichoderma powder should be required to treat a seed,

when planting new variety of groundnut they should be treated with Rhizobium bacteria, seed should be first

treated with antiseptic, After drying in a shade, The

seed should be treated with fungicide.

ACTIVITY LOG FOR THE SIXTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	seed dormancy in ground nuts. Removal of seed dormancy in seeds of groundnut.	different varieties, seed 5ml. Ethrel mixed in 1 litre of water & soaked in 12 hrs.	
Day - 2	seed dormancy removal in ground nut seeds	(34%) Ethrel, 125 ml. mixed in 3 litres of water & spray on 100kg of seed in airtight bag	
Day - 3	Plant spacing and sowing method in ground nut	even in early phase of the season, seedling, nitya haritha variety should follow 30x10cm	
Day - 4	sowing seeds to ground nuts.	The seed should be sown either with a harrow or tractor driven seed drill.	
Day - 5	fertilizers for groundnut crop	Fertilizer doses should be decided on soil tests. Plants require following.	
Day - 6	Fertilizers useful for groundnut crop	Nitrogen - 30kg (urea) Phosphorus - 12 (DAP) Potash - 20 (33)	

WEEKLY REPORT

WEEK - 6 (From Dt..... to Dt.....)

Objective of the Activity Done:

Detailed Report:

Removal of seed dormancy in groundnut seeds:- Dormant varieties seed 5-8% on etherol, mixed in to 1 litre of water & soaked in solution for 12hrs & dried in shades & then seeds are sown. (ii) etherol, 125ml mixed in 3 lit of water & spray on seeds & seed in airtight bags overnight (12hrs) & next day in shade & they are sown, sowing method & plant spacing :- Even in early kharif, Bhadra, decar, nutyasharada varieties should follow 30x10cm plant spacing to show the seeds sowing seeds & ground nut :- The seeds should be sown either with a harrow (ii) tractor driven seed drill. At the time of sowing, the soil require enough moisture & the seed should not be sown more than 5cm deep. If a tractor drill is used, not only a large area can be sown in a short time, but also the cost can be reduced significantly.

Fertilizers:- nitrogen -8, rainfed crops 12, irrigation crops $\rightarrow N-8(14)-0$.

Fertilizer doses should be decided on soil tests. The following fertilizers are used - nitrogen (in the form of urea) Phosphorus (in the form of single super phosphate) Potash gypsum, zinc sulphate, urea 46% nitrogen 100kg.

ACTIVITY LOG FOR THE SEVEN WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	Plant Population Based on Plant Spacing to ground nut	no. of plants per unit of land $PP = \frac{10,000}{\text{Area of plant spacing}} \times \text{Area of field}$	S. Indira
Day - 2	Deficiency symptoms of nitrogen, phosphorus, potassium	(N) - yellowing of leaves (P) - purple colour (K) - Dis coloration of leaves	S. Indira
Day - 3	Water management to peanuts crops.	Groundnut requires 400-450 mm of water & 4 taps are sufficient for 1 hectare.	S. Indira
Day - 4	Water management to in ground nut crop	If water is given through sprinklers 25% of crop will increase in yield.	S. Indira
Day - 5	Inter cropping Trap cropping mono cropping multi cropping	more yield to escape from pests & diseases crop is grown in field per year.	S. Indira
Day - 6	Inter cropping pattern to crops	castor, pearl millet, sorghum, these can be intercropped with groundnut.	S. Indira

WEEKLY REPORT

WEEK - 7 (From Dt..... to Dt.....)

Objective of the Activity Done:

Detailed Report:

Water management in ground nut crops:-

Ground nut requires 400-450 mm water, & for light soils 8-9 tps groundnut requires. Before sowing, the soil should be watered well & the seed should be planted when it is wet enough. Second watering should be done 20-25 days after sowing. Then, watering should be applied at intervals of 7-10 days depending on soil characteristics & clay soil percentage. The last wet should be given 15 days before harvest. From the stage of landing of pods to the stage of ripening of nuts, the seed is sensitive from 40-50 days to 85-90 days.

Pattern of crops & inter cropping:- Red gram, castor,

pearlmillet, sorghum can be inter cropped with groundnut.

By this the virus spreading will be reduced. The areas affected by north, east monsoon, Kharif - ground nut

can be followed by green gram (b) Horse gram, ground nut intercropping with Paddy, the pests of ground nuts can be reduced.

ACTIVITY LOG FOR THE EIGHTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	environmental analysis to ground nut field.	results contain friendly insects that destroy harmful insects.	G. K. K. K.
Day - 2	Ground nut field environment analysis	The major an. predators pests & pathogens. in predators - spiders, Aphids, weevils and 4 pests.	G. K. K. K.
Day - 3	pests in groundnut. 1) ezema mites 2) Aphids / black fly.	symptom:- suck juice of leaves. control - spray monroto phos 320 ml + neem oil in 200 lit water.	G. K. K. K.
Day - 4	pests - symptoms/control 1) leaf hopper - measures 2) Leaf curl / folder	symptom - Both mother & young child caterpillars suck sap on the underside of leaves.	G. K. K. K.
Day - 5	1) Red caterpillar 2) Tobacco caterpillar symptoms/control measure.	symptom - caterpillar eat leaves the leave the shoots & stems. control - encourage birds	G. K. K. K.
Day - 6	diseases in groundnut symptoms & control measure. 1) stem root with	symptom - Dark brown circular spots on leaf - Helicoverpa small red and black bristles found on.	G. K. K. K.

WEEKLY REPORT
WEEK - 8 (From Dt..... to Dt.....)

Objective of the Activity Done:

Detailed Report: Environmental Analysis to around out IPM :-

peanuts contain friendly insects that destroy harmful insects. The major ones are predators, parasites, pathogens, spiders, aphids, weevils are 4 types of predators. Trichogramma releases the larval stage. Farmers should conduct regular surveillance, closely monitor the crop area & take appropriate decision after analysis.

Pests:- ECZEMAMITES - symptoms:- suck the juice of leaves, curling of leaves & plants will become stunted.

control measures:- per acre monocrotophos 320ml + neem oil 1 lit + 1kg soap powder per 200 litres of water. The seed should be sprayed 2 times in to 15 days of sowing.

BLACK FLY:- As cluster they suck the sap.

leaf/hopper folder:- leaf curl is expected after sowing at 15 days. mother worms are grey in colour, in the first stage these are brown spots on the leaves.

control:- monocrotophos 500ml tobacco caterpillar.

control - Quinal Phos 400 ml.

Diseases:- Tikka leaf spot; Brown spots on leaf.

ACTIVITY LOG FOR THE NINTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	How is digital Kiosk useful? which apps are used in Kiosk	EMAED, CMAPP, PISHRY, Animal Husbandry, marketing for seed fertilizers.	G. Madan
Day - 2	Kiosk importance	Information on certified agricultural products is available for village facility to deliver	G. Madan
Day - 3	Agriculture Agri net portal services at Kiosk	=> providing weather information => facility to know the market prices of Agri-culture products.	G. Madan
Day - 4	Current Agricultural schemes undergoing at Bonthala Khatun RBK	1) Dr. Y-S-R Raithu Bhatocha 2) Dr. Y-S-R 200 interest crop loan 3) Soil Health card scheme	G. Madan
Day - 5	scheme Dr. Y-S-R. Raithu Bhatocha ₹ 7500/-, 4000/-, 2000/-	Govt. of AP to financially assist farmers by depositing an amount of 13,500 per annum.	G. Madan
Day - 6	who are eligible for Raithu Bhatocha	cultivators belonging to landless & ST back ward & minority communities landless cultivators are eligible RB.	G. Madan

WEEKLY REPORT

WEEK - 9 (From Dt..... to Dt.....)

Objective of the Activity Done:

Detailed Report: Digital kiosk & its uses:-

APPS - eMAID, eMAPP, Fishery, Animal husbandary etc...

=> Information on certified agricultural products - available for all.

=> Facilities of online purchase & door delivery.

=> Providing weather information

=> Facility to know market prices of agriculture products.

=> Agriculture Agri net portal services.

Current agriculture scheme undergoing at Bonthala

Koduru RBK:-

1) Dr. Y.S.R Raithu Bharosa 2) national food security mission

3) Dr. Y.S.R Raithu Boro crop loan interest w/ soil health card scheme.

Dr. Y.S.R Raithu Bharosa :- It is a program launched by govt. of A.P to financially assist farmers by depositing an amount of ₹13,500 per annum in three installments.

1) Harvest - first installment - ₹5,500, Pm - ₹5,500; Cm - ₹2000

2) October - second installment - ₹4000, Pm - ₹2000; Cm - ₹2000

3) Harvest time - third installment - ₹2000 Pm.

ACTIVITY LOG FOR THE TENTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	DR-Y.S.R zero interest crop loan scheme	Farmer loan is 7% state government 4.4 central government 3% pays the loan to farmers.	B. Induraj
Day - 2	eligibility of this scheme objectives & benefits	=> main objective of scheme is welfare of the farmer across the state.	Shobana
Day - 3	DR-Y.S.R zero interest crop loan scheme details.	E-crop registered farmer are eligible. => launched by m. jagun mohan Reddy.	Shobana
Day - 4	national food security mission (NFSM)	=> Authorized by central government of India launched in 2007. Based on recommendations.	Shobana
Day - 5	objectives of NFSM	=> increase yield by increase cultivated area & productivity.	Shobana
Day - 6	NFSM main points	setting up to community demonstration farms to achieve high yield productivity.	Shobana

WEEKLY REPORT

WEEK - 10 (From Dt..... to Dt.....)

Objective of the Activity Done:

Detailed Report:

Dr. Y.S.R zero interest crop loan scheme
E-crop registered farmers are eligible for this scheme.
Former loan is 7% Y.S.R zero interest crop loan is
launched for the farmers across the state under this
scheme all the farmers who taken crop loans up to Rs.
1 lakh & repay the same within 1 year will be covered.
Interest subsidy will be provided to the beneficiary farmers
under this scheme.

Benefits:- It aims to free the farmers from vicious
circle of money lenders rather government will directly
provide them interest subsidy on loans taken. Loans provided
under this scheme are interest free.

National food security mission:- Authorized by central
govt of India. launched in 2007. Based on recommendations
of agriculture subcommittee of NDC. National development
council.

Objectives:-

increase yield by increasing cultivated area &
productivity.

2) increase the confidence & farmers concentration of
soil fertility & conductivity.

ACTIVITY LOG FOR THE ELEVENTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	Soil conservation scheme (b) Soil health card scheme (SHC)	for the year 2014-2020, the govt of India selected one village pilot project on SHC.	Shodan
Day - 2	SHC (Soil Health Card Scheme)	Analysis of soil samples in soil laboratories before planting.	Shodan
Day - 3	Different steps in soil testing	collection of soil samples. Testing in the laboratory. → Fertilizer recommendation based on results.	Shodan
Day - 4	collection of soil samples	soil samples for soil tests should be analyzed in a scientific manner followed by time.	Shodan
Day - 5	when the soil can be collected?	soil samples can be taken at anytime while the fields are empty. It is better to take soil.	Shodan
Day - 6	when to take the soil samples.	soil samples should be collected before sowing & after harvesting.	Shodan

WEEKLY REPORT

WEEK - 11 (From Dt..... to Dt.....)

Objective of the Activity Done:

Detailed Report:

soil health and scheme (a) soil conservation scheme
For the year 2019-2020, the government of Andhra
selected one village per mandal, under village pilot project
mode & collected soil samples from every field. Analysis
of soil samples in soil laboratories & provision of soil
analysis documents before planting. do not provide docu-
ment Rs-2500 per hectare for each demonstration field.

Different stages in soil testing:-

- collection of soil samples
- testing in the laboratory
- fertilizer recommendations asked based on results.

collection of soil samples:-

soil samples for soil tests should be analyzed in a
scientific manner followed by time & the collection
site. All precautions should be taken in soil collection.
when the soil samples can be collected?

⇒ soil samples can be taken at any time while the
fields are empty.

⇒ It is better to pick soil during the summer season.

ACTIVITY LOG FOR THE TWELVETH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	How much depth should be soil samples taken?	It depends on the crops we grow & nature of soil. For cultural crops.	G. Indrakumar
Day - 2	Tools to collect soil samples?	Soil samples can be taken with the help of shovel, pickaxe available to farmers	G. Indrakumar
Day - 3	Soil samples depth how much? How to collect samples?	At field soil is of some type, it is enough to take one sample for series.	G. Indrakumar
Day - 4	Soil samples collection	The soil should be removed in a thin layer from top to bottom. Similarly soil should be collected	G. Indrakumar
Day - 5	How the results of soil samples can be known?	The details of farmers relate to soil samples collection that is available in soil health card book.	G. Indrakumar
Day - 6	Soil tests results. What sanctioned by government.	The details of farmers who have collected the soil sample & the analysis results of soil	G. Indrakumar

WEEKLY REPORT

WEEK - 12 (From Dt..... to Dt.....)

Objective of the Activity Done:
Detailed Report:
<u>Depth soil samples collection</u> → It depends on the crops we grow & nature of the soil. → For agricultural crops - 2 inches, for fruits gardens 5-6 feet - one sample for one plot. → Soil samples can be taken with the help of shovel, pickaxe available to farmers. Soil, type, colour, condition, whether field should be taken separately. All the error should be different, when the fields are identified, no matter how small the area of the field or big. When the whole field is of same type it is enough to take one sample for 5 acres. <u>Custom Hiring Centre (CHC) :-</u> Government sanctioned amount - 15 lakh farmer share - 10% → 1,50,000; govt subsidy - 40% → 6,00,000 crop loan amount → 50% → 7,50,000 1) To increase availability of method machinery. like disc tractor ploughing, weeding, puddling, spraying, threshing machine.

CHAPTER 5: OUTCOMES DESCRIPTION

Describe the work environment you have experienced (in terms of people interactions, facilities available and maintenance, clarity of job roles, protocols, procedures, processes, discipline, time management, harmonious relationships, socialization, mutual support and teamwork, motivation, space and ventilation, etc.)

Good government is very important for learning & doing any work. In an organization, good environment is always working if good interest. The RER office is more comfortable and improving my interest to doing work. The office is more comfortable, even all environment is good. It feels good to interact to doing work with the farmers. It feels very good interaction with my classmates and the faculty members in the organization. minimum facilities are available like fan, light, tables, chair, computer, green board, risk etc.. As a student the protocols are working a college uniform must be in the internship hours. We have facilitated in the Policy book programme. Organized by the Agriculture department of AP.

As a science student, knowledge of farming is much more importantly necessary for my better future.

My supervisor had motivated me to do the work & always encouraged me to complete the tasks.

ventilation is good for that organization. When ever the teacher has assigned the supervisor, we will complete it at a team work with a collaboration of everyone's ideas. which is helpful for enhancing my Page No Workshop activities.

Describe the real time technical skills you have acquired (in terms of the job related skills and hands on experience)

Working as an intern, I had acquired both hard skills and soft skills are acquired as I had not done anything in the industry so far. Understanding on the workplace, Agriculture related terminologies, equipment, I gained key skills that are necessary to run the poultry farm. Hard skills: programming, basic management & data analysis skills, managing data, adaptability are the basic skills which I acquired.

This mainly includes acquiring both hard skills as well as soft skills as adaptation, use of website, programming methods & techniques, the cultivation, harvest, storage & transport.

⇒ how to put my abilities (or) knowledge used to perform poultry tasks in the areas of science.

⇒ how important smart agriculture technology is

⇒ How to use the technology in agriculture - with the aim of improving yield, efficiency & profitability.

⇒ understanding workplace culture.

⇒ Benefits of modern technology in terms of Agriculture.

⇒ Interpersonal skills - interact well with others.

Describe the managerial skills you have acquired (in terms of planning, leadership, team work, behaviour, workmanship, productive use of time, weekly improvement in competencies, goal setting, decision making, performance analysis, etc.

managerial skills I have acquired in terms of planning is one of the most important skills for managers. It is all about defining the goals of organisation. It includes vision, plan for future, leadership skills. are focused on power & ability to lead other people. Time management is one of the main important role in everyone's life. In this organisation, the time was well utilized. So I attained how to utilize the time depends on this an organisation development depends on teamwork. In this organisation, the people are very supportive to each other.

Behaviour means the way you communicate, being patient & communicate. & time management. I had attended to being patient & communication, skill how to plan & how to divide time between various tasks. Improvement in components is to attain motivating others, written communication, honesty, creativity and delegation.

I learned a good decision making skills are like creativity skills.

Describe how you could improve your communication skills (in terms of improvement in oral communication, written communication, conversational abilities, confidence levels while communicating, anxiety management, understanding others, getting understood by others, extempore speech, ability to articulate the key points, closing the conversation, maintaining niceties and protocols, greeting, thanking and appreciating others, etc.,)

There are many ways to improve your communication skills.

- ⇒ Good communication leads to good understanding
- ⇒ Be clear and attentive - Be concise.
- ⇒ Build your emotional intelligence.
- ⇒ Be an active listener. It helps to improve communication skills.
- ⇒ Record yourself when you are communicating with others & practice.
- ⇒ Hold effective meetings, Attend workshops & online classes.
- ⇒ Body language plays a role in communication skills.
- ⇒ Try not to make assumptions.
- ⇒ Practice self-awareness especially during tough conversation.
- ⇒ Don't be accusatory when raising an issue
- ⇒ Get rid of those "ums" and "ahs".
- ⇒ Making eye contact while someone is talking
- ⇒ Create a positive organisation structure.

Describe how could you could enhance your abilities in group discussions, participation in teams, contribution as a team member, leading a team/activity.

The organization structure was so effective. my staff members and my friends helped to cope well at changes at work. Group discussion are very well. It involves sharing ideas. People are connected with the basic idea. By group discussions I gained the following skills. with one basic idea, following skills such as leadership skills, communication skills, social skills & behaviour, politeness, teamwork, confidence and listening ability.

I enjoyed working in a discussions with group. By listening well to the ideas of other speakers, I learned something, speaking confidently by using an appropriate tone is effective to participate in group discussion. I acquired good communication skills by participate team.

Describe the technological developments you have observed and relevant to the subject area of training (focus on digital technologies relevant to your job role)

The twenty first century has seen a technological revolution, the old technology is completely vanished & other new one's has replaced in the sector of Agriculture, the digital technology plays a key role to enhance the knowledge of farmers. Digitalization makes the farming as easy.

Arrangement of digital kiosk is also the part of technological development we have seen in RBKs will have digital kiosk through which the farmers to markets the agricultural produce better. An early way's to know the moisture in food diagrams grains hot air oven is used. It takes more than two hours to calculate the moisture content of food grain.

Student Self Evaluation of the Short-Term Internship

Student Name: P. Ramya

Registration No:

Term of Internship: ^{Agri} ~~Agri~~ From: 12/12/22

To: 16/13/2023

Date of Evaluation:

Organization Name & Address:

Agriculture Department
Bonthala Koduru (RBE)

Please rate your performance in the following areas:

Rating Scale:

Letter grade of CGPA calculation to be provided

	1	2	3	4	5
1 Oral communication	1	2	3	4	5
2 Written communication	1	2	3	4	5
3 Proactiveness	1	2	3	4	5
4 Interaction ability with community	1	2	3	4	5
5 Positive Attitude	1	2	3	4	5
6 Self-confidence	1	2	3	4	5
7 Ability to learn	1	2	3	4	5
8 Work Plan and organization	1	2	3	4	5
9 Professionalism	1	2	3	4	5
10 Creativity	1	2	3	4	5
11 Quality of work done	1	2	3	4	5
12 Time Management	1	2	3	4	5
13 Understanding the Community	1	2	3	4	5
14 Achievement of Desired Outcomes	1	2	3	4	5
15 OVERALL PERFORMANCE	1	2	3	4	5

P. Ramya
Signature of the Student

Date: 12/12/22

Evaluation by the Supervisor of the Intern Organization

Page No

Student Name: P. Ramya Registration No: 20220104984

Term of Internship: ~~April~~ From: 12/12/22 To: 16/03/23

Date of Evaluation: ~~12/12~~

Organization Name & Address: Agriculture (RBK) Bonthala Koduru

Name & Address of the Supervisor S. Kodanda Rama Chandra Murthy
with Mobile Number (VAA) Bonthalakoduru RBK, 7489249668.

Please rate the student's performance in the following areas:

Please note that your evaluation shall be done independent of the Student's self-evaluation

Rating Scale: 1 is lowest and 5 is highest rank

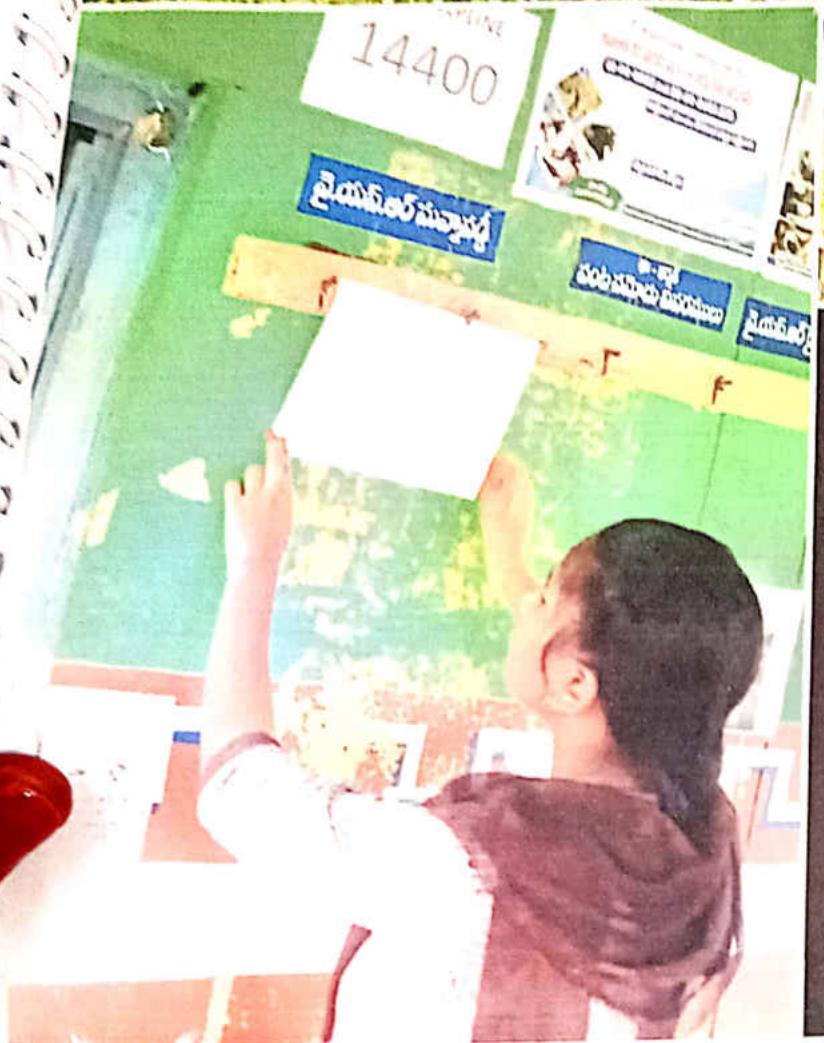
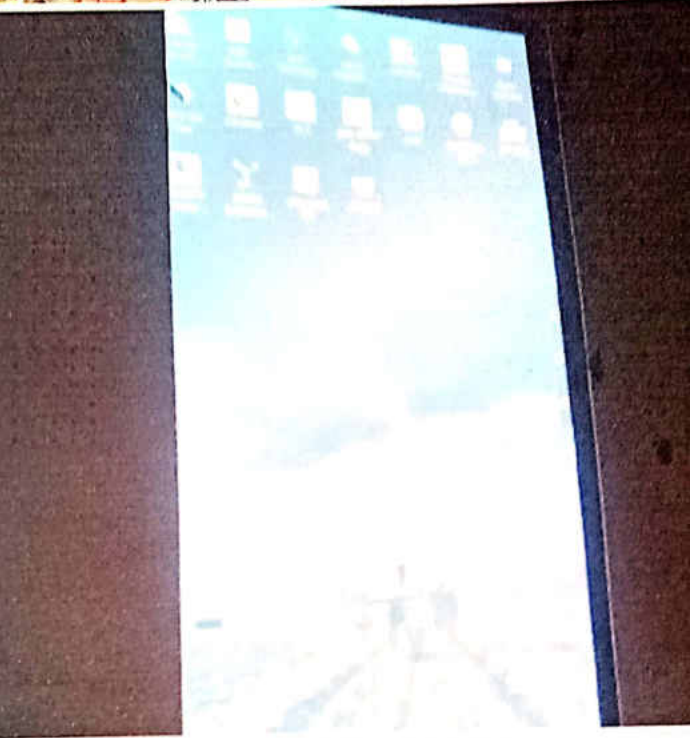
1	Oral communication	1	2	3	4 ✓	5
2	Written communication	1	2	3	4	5 ✓
3	Proactiveness	1	2	3	4	5 ✓
4	Interaction ability with community	1	2	3	4	5 ✓
5	Positive Attitude	1	2	3	4	5 ✓
6	Self-confidence	1	2	3	4	5 ✓
7	Ability to learn	1	2	3	4	5 ✓
8	Work Plan and organization	1	2	3	4 ✓	5
9	Professionalism	1	2	3	4 ✓	5
10	Creativity	1	2	3	4	5 ✓
11	Quality of work done	1	2	3	4	5 ✓
12	Time Management	1	2	3	4	5 ✓
13	Understanding the Community	1	2	3	4 ✓	5
14	Achievement of Desired Outcomes	1	2	3	4 ✓	5
15	OVERALL PERFORMANCE	1	2	3	4	5 ✓

Date: 18/7/23


Signature of the Supervisor
Village Agriculture Assistant
RBK, Bonthalakoduru
Etcherla Mandal

Page No





EVALUATION

Internal & External Evaluation for Semester Internship

Objectives:

- Explore career alternatives prior to graduation.
- To assess interests and abilities in the field of study.
- To develop communication, interpersonal and other critical skills in the future job.
- To acquire additional skills required for the world of work.
- To acquire employment contacts leading directly to a full-time job following graduation from college.

Assessment Model:

- There shall be both internal evaluation and external evaluation
- The Faculty Guide assigned is in-charge of the learning activities of the students and for the comprehensive and continuous assessment of the students.
- The assessment is to be conducted for 200 marks. Internal Evaluation for 50 marks and External Evaluation for 150 marks
- The number of credits assigned is 12. Later the marks shall be converted into grades and grade points to include finally in the SGPA and CGPA.
- The weightings for Internal Evaluation shall be:
 - Activity Log 10 marks
 - Internship Evaluation 30 marks
 - Oral Presentation 10 marks
- The weightings for External Evaluation shall be:
 - Internship Evaluation 100 marks
 - Viva-Voce 50 marks
- The External Evaluation shall be conducted by an Evaluation Committee comprising of the Principal, Faculty Guide, Internal Expert and External Expert nominated by the affiliating University. The Evaluation Committee shall also consider the grading given by the Supervisor of the Intern Organization.
- Activity Log is the record of the day-to-day activities. The Activity Log is assessed on an individual basis, thus allowing for individual members within groups to be assessed this way. The assessment will take into consideration

the individual student's involvement in the assigned work.

- While evaluating the student's Activity Log, the following shall be considered -
 - a. The individual student's effort and commitment.
 - b. The originality and quality of the work produced by the individual student.
 - c. The student's integration and co-operation with the work assigned.
 - d. The completeness of the Activity Log.
- The Internship Evaluation shall include the following components and based on Weekly Reports and Outcomes Description
 - a. Description of the Work Environment.
 - b. Real Time Technical Skills acquired.
 - c. Managerial Skills acquired.
 - d. Improvement of Communication Skills.
 - e. Team Dynamics
 - f. Technological Developments recorded.

MAJORITY AFFIRM
(The word by the majority)

INTERNAL ASSESSMENT STATEMENT

Name Of the Student: *P. Ramya*
Programme of Study: *Agriculture department.*
Year of Study: *2022 - 2023*
Group: *III BSc BSc*
Register No/H.T. No: *2022001049064*
Name of the College: *Govt. Degree College (men) Sirsakulam*
University: *Ambedkar*

Sl.No	Evaluation Criterion	Maximum Marks	Marks Awarded
1.	Activity Log	10	
2.	Internship Evaluation	30	
3.	Oral Presentation	10	
	GRAND TOTAL	50	

Date:

Signature of the Faculty Guide

EXTERNAL ASSESSMENT STATEMENT

Name Of the Student: P. Ramya
Programme of Study: III Year (B.Sc (C.B-Z-74))
Year of Study: 2020-2021
Group: B2L
Register No/H.T. No: 20202021044064
Name of the College: Govt. Degree (D) College (m) Sripaahalan
University: Ambedkar

Sl.No	Evaluation Criterion	Maximum Marks	Marks Awarded
1.	Internship Evaluation	80	80
2.	For the grading giving by the Supervisor of the Intern Organization	20	20
3.	Viva-Voce	50	
	TOTAL	150	
GRAND TOTAL (EXT. 50 M + INT. 100M)		200	

Signature of the Faculty Guide 

Signature of the Internal Expert 

Signature of the External Expert

Signature of the Principal with Seal



ANDHRA PRADESH

STATE COUNCIL OF HIGHER EDUCATION

A statutory body of the Government of Andhra Pradesh

It will set and fix the standards for the Higher Education Board
concerned with the Higher Education in the State
and provide for the